

WO 2004/022784

## SEQUENCE LISTING

<110> Johns Hopkins Singapore  
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August, Joseph Thomas  
Too, Heng-Phon

<120> Strand-Specific Detection and Quantification

<130> 70292-010100

<140> not yet assigned

<141> 2003-08-21

<160> 29

<170> PatentIn version 3.2

<210> 1

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Reverse primer (ActinS) used in comparative PCR experiment.

<400> 1

gagacaacat tggcatgg

18

<210> 2

<211> 25

<212> DNA

<213> Artificial

<220>

<223> Oligonucleotide utilized in reverse transcription reaction of  
beta-actin transcripts.

<400> 2

acagcacact ttgtagagac ctggg

25

<210> 3

<211> 34

<212> DNA

<213> Artificial

<220>

<223> Exemplary stem-loop chimeric oligonucleotide designed to have a stable stem-loop secondary structure under transcription reaction conditions.

<400> 3

tctacaaaga cagcacactt tgtagagacc tggg

34

<210> 4

<211> 19

<212> DNA

<213> Artificial

<220>

<223> Exemplary forward hemi-nested primer utilized in comparative PCT experiment.

<400> 4

agcacacttt gtagagacc

19

<210> 5

<211> 30

<212> DNA

<213> Artificial

<220>

<223> Exemplary stem-loop chimeric RT oligonucleotides (SCRO) made in accordance with the teachings of the invention.

<400> 5

tcaccgttcc ccgccgtcgg tgggcgctac

30

<210> 6

<211> 19

<212> DNA

<213> Artificial

<220>

<223> Exemplary basis for designing exemplary PCR primer, based on Den 2 genome.

<400> 6

tgaaacgcga gagaaaccg

19

<210> 7

<211> 12

<212> DNA

<213> Artificial

<220>

<223> Intermediate sequence based on SEQ.ID.NO.6 used for exemplary primer design.

<400> 7

tgaaacgcga ga

12

<210> 8

<211> 10

<212> DNA

<213> Artificial

<220>

<223> Sequence based upon SEQ.ID.NO.7 used in exemplary primer design.

<400> 8

tgaaacgcga

10

<210> 9

<211> 13

<212> DNA

<213> Artificial

<220>

<223> DNA sequence of SEQ.ID.NO.8 having GAA added to the 3' end, thus raising the Tm.

<400> 9

tgaaacgcga gaa

13

<210> 10

<211> 17

<212> DNA

<213> Artificial

<220>

<223> Exemplary hemi-nested PCR primer having 3' protruding portion and 4 Gs added to the 5' end of the sequence provided in SEQ.ID.NO.9.

<400> 10

ggggtgaaac gcgagaa

17

<210> 11

<211> 14

<212> DNA

<213> Artificial

<220>

<223> Exemplary SCRO sequence.

<400> 11

ggggtgaaac gcga

14

<210> 12

<211> 6

<212> DNA

<213> Artificial

<220>

<223> Deleted portion of SEQ.ID.NO.5 providing another exemplary  
convertible oligonucleotide SEQ.ID.NO.28.

<400> 12

tcaccg

6

<210> 13

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Forward primer for amplifying Dengue 2 NS2A region.

<400> 13

ggacatgggc agattgac

18

<210> 14

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Reverse primer for amplifying Dengue 2 NS2A region.

<400> 14

tccttttctt gttggttc

18

<210> 15

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Forward primer directed to envelope region of Dengue genome.

<400> 15

aggatgggga aatggatgtg g

21

<210> 16

<211> 21

<212> DNA

<213> Artificial

<220>

<223> Reverse primer directed to envelope region of Dengue genome.

<400> 16

ttctgtggcc cctgtgagtg c

21

<210> 17

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Forward primer to NS2A region of Dengue genomic RNA.

<400> 17

acctgggaag agtgatgggtt atgg

24

<210> 18

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Reverse primer to NS2A region of Dengue genomic RNA.

<400> 18

atggtctctg gtatgggtgct ctgg

24

<210> 19

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Exemplary hemi-nested strand-specific PCR primer.

<400> 19

cgttccccgc cgtcggtg

18

<210> 20

<211> 18

<212> DNA

<213> Artificial

<220>

<223> Exemplary hemi-nested strand-specific PCR primer.

<400> 20

tcactgcatt tgggacgc

18

<210> 21  
<211> 20  
<212> DNA  
<213> Artificial

<220>

<223> Forward primer to actin transcript.

<400> 21  
acaacggctc cggcatgtgc

20

<210> 22  
<211> 20  
<212> DNA  
<213> Artificial

<220>

<223> Reverse primer to actin transcript.

<400> 22  
ggtcacacctt tcacggttg

20

<210> 23  
<211> 12  
<212> DNA  
<213> Artificial

<220>

<223> Portion of SEQ.ID.NO.5 complementary to the negative replicative strand of Dengue.

<400> 23  
ggtagggcgct ac

12



<210> 24  
<211> 11  
<212> DNA  
<213> Artificial

<220>

<223> Portion of another exemplary SCRO, complementary to the positive replicative strand of RSV.

<400> 24  
cacggtgaca c

11

<210> 25  
<211> 21  
<212> DNA  
<213> Artificial

<220>

<223> RSV MP2-specific sense primer.

<400> 25  
ctcttggtat agtggagtg c

21

<210> 26  
<211> 21  
<212> DNA  
<213> Artificial

<220>

<223> RSV antisense primer.

<400> 26  
tcaccgttcc ccgccgtcca c

21

<210> 27  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> RSV MP2-specific antisense primer.

<400> 27  
ttggagaaat tgttgagtgg c

21

<210> 28  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<223> Exemplary SCRO based upon DNS-1 having stem-loop portion of DNS-1 deleted.

<400> 28  
ttccccgccg tcggtgggcg ctac

24

<210> 29  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<223> RSV RT1 primer designed in accordance with thermodynamic and nucleotide selection parameters taught by the invention.

<400> 29  
tcaccgttcc ccgccgtcca cggttgacac

30